

NELLIS' ORIGINAL



Harpoon Horse Hay Fork



IMPROVED.



Compliments of A. J. NELLIS & CO., Proprietors,
PITTSBURGH, PA.

NELLIS' PATENT



GRAPPLE AND STACKER,



AGRICULTURAL STEELS AND IRONS,



MALLEABLE CASTINGS, &c.

Descriptive and Illustrated Catalogue
OF
NELLIS'
ORIGINAL
Harpoon Horse Hay Fork
IMPROVED,
NELLIS' PREMIUM STACKER,
NELLIS' GRAPPLE, PULLEY, &c.

Under the Original and subsequent Patents of Improvements:

Sept. 6, 1864, re-issued Dec. 18, 1866; Jan. 24, 1865, re-issued May 23, 1866; March
20, 1866; Dec. 18, 1866; Aug. 13, 1867; Nov. 19, 1867; Jan. 11, 1870;
Jan. 18, 1870, and March 1, 1870; Jan. 3, 1871.

ALSO, OF

AGRICULTURAL STEELS AND IRONS,
MALLEABLE IRON CASTINGS, &c.

REVISED FOR THE YEAR 1871.

GENERAL OFFICE & MANUFACTORY, ALLEGHENY CITY, Pa.

POST OFFICE ADDRESS,

PITTSBURCH, PA.

ADDRESS

A. J. NELLIS & CO., Proprietors.

DEPOTS AND BRANCH OFFICES.

<i>Beasley & Patterson, 12 N. Canal Street Chicago, Ill.</i>	<i>R. H. Allen & Co., 131 and 133 Water Street, New York.</i>
<i>Ample, Hoge & Co., 13 S. Main Street, St. Louis, Mo.</i>	<i>E. R. Clair & Co., 61 Light Street, Baltimore, Md.</i>
<i>Cox & Parker, 34 Washington St., Indianapolis, Ind.</i>	<i>T. B. Jones & Co., Nashville, Tenn.</i>
<i>J. Weller & Co., 227 Walnut Street, Cincinnati, Ohio.</i>	<i>Kimball & Wilkey, Market Hall, Portland, Maine.</i>
<i>Henry & Sons, 141 and 143 St. Clair St., Toledo, O.</i>	<i>W. E. Brewster & Co., Providence, Rhode Island.</i>
<i>H. M. Smith & Co., 1302 Main Street, Richmond, Va.</i>	<i>J. H. Backell, 51, John Street, N. Y.</i>
<i>Baker & Hamilton, Nos. 11 and 13 Front St., San Francisco, and Nos. 9, 11, 13 and 15 2 St., Sacramento, Cal.</i>	

MANUFACTURED FOR

Agent.

NELLIS'

ORIGINAL HARPOON

HORSE HAY FORK

IMPROVED.

GREATEST RECORD EVER KNOWN

IN THE

History of Agricultural Implements.

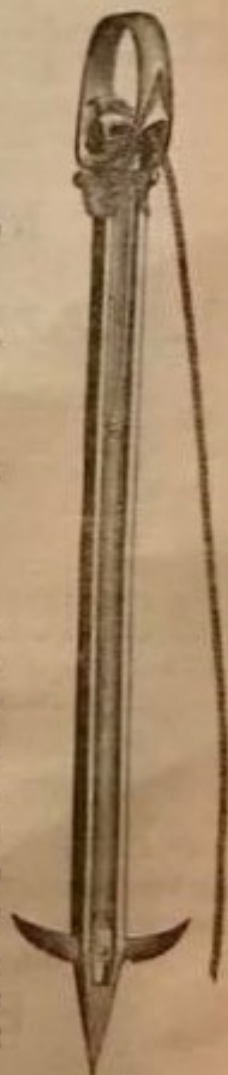
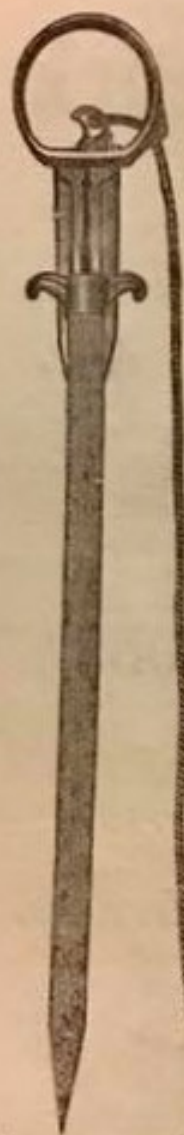
Thirty-Nine State Fair First Premiums

Were awarded upon our Unloading Apparatus

IN FIFTEEN MONTHS.

Successful at each Field Trial and Exhibition at 22 different State Agricultural Societies during the Fall of 1869, and season of 1870

First Premium in each and every case was awarded to our Harpoon Horse Hay Fork at 22 State Fairs, and our Stacker and Grapple was awarded First Premiums, (where there were premiums upon the Schedule of the Society,) and in addition was awarded Medals, Diplomas, Honorable Mention, and Premiums at some 600 County Fairs by the Executive Committees, who deemed it their duty to facilitate parties in securing the best, most practical and useful Labor Saving Implements.



TO THE FARMERS AND HAY DEALERS OF AMERICA.

GENTLEMEN: In presenting to you our annual descriptive Catalogue for the year 1871, we take pleasure in returning our thanks to the agricultural public, for the unrivalled success in the sale of our goods, consequent upon the liberal patronage we have received from them in the past. And we take pleasure in coming before you again, in relating facts relative to the practicability and adaptability of our goods, feeling assured that all we shall say about them as to their utility and merits, will be endorsed by giving them (all we ask,) a fair trial. Nearly all the implements we manufacture, even in their crude state, have proven to be of great service to the farmer,

And after years of arduous application, and costly experiment in improving, testing, and perfecting them, we feel compensated, from the great number of assurances we are in receipt of daily, that they are being universally adopted. And with our recent extensive improvements and increased facilities, we feel safe in saying, that we are now able to meet the increasing demand upon us for our goods, and also supply that demand with our manufactured articles, that we claim cannot be surpassed for durability and finish, by any in the market. It has been admitted by all who have had experience in the use of our goods, that they more fully establish their standing and utility by actual operation, than could be demonstrated on paper. This fact cannot be doubted, when the evidence we have shows the endorsement of the superiority of our implements — an indorsement which is unparalleled in the history of the manufacture of agricultural implements—as will be seen by the following plain statement of facts, viz.: Our goods have been tested before the Committees at TWENTY-TWO different STATE FAIRS, where our celebrated Harpoon Hay Fork was awarded, in the short period of fifteen months, TWENTY-TWO FIRST PREMIUMS, by actual test, in competition with the would-be leading forks now trying to be forced on the market. A volume could be written upon the utility and deserving merits of our Horse Hay Fork and Fixtures, but we only refer inquiring minds to a careful and practical test of their usefulness and adaptability as a labor and time saving implement to the industrious tiller of the soil.

In connection with our Horse Hay Fork and Fixtures we have purchased all the machinery, patterns and dies from the late firm of D. B. Rogers & Sons, for the manufacture of Cultivator Teeth and Shovel Plow Blades, of the latest and most improved styles; also, Agricultural Steels and Irons of all kinds and descriptions.

The establishment for the manufacture of our goods is situated on and embraces the entire square comprised in the boundary of Rebecca Street, Sturgeon Street, and South and Allegheny Avenues, Allegheny City, and is operated by skilful mechanics, which together with our perfect arrangements for securing the best stock manufactured in the country, we are in condition to assure all who may favor us with their patronage, that they will secure an article that will merit the approval and endorsement of all that may have experienced their use. For the benefit and advantage of all farmers who are desirous not only of getting value received for their investment, but securing the genuine article ordered, we urge upon them the importance of seeing that they are branded with our TRADE MARK, as none others are genuine.

In addition to the above, you will find in our pamphlet the expressions and opinions of some of the most worthy editors of our country, together with a few extracts from the many unsolicited indorsements of our goods, which we are in daily receipt of; and in closing, we simply desire that if you are in need of any of our goods, that you send us your order, and on receipt of the articles, give them a fair trial, as we are desirous of allowing them to stand on their own merit. We therefore bid you adieu, assuring you that you have our best wishes for a bountiful harvest, and an increased production of the soil, that your labors may be plentifully rewarded.

Yours, with respect,

A. J. NELLIS & CO

PITTSBURGH, PA., April, 1871.



50 OF OUR CLAIMS.

- 1st. That all other Patents on Harpoon Horse Hay Forks are subject to the original and subsequent other Letters Patent enumerated herein.
- 2d. That all Forks on the Harpoon principle not made by us or under proper license are infringements.
- 3d. That we will not grant any license for the manufacture of the Harpoon Horse Hay Fork.
- 4th. That in case our rights are infringed upon, the course indicated by law will follow.
- 5th. The construction of the law, in which the manufacturer, the seller, and user are each liable.
- 6th. That we have, by actual test and experience, found what has been essential to make a perfect Horse Hay and Straw Fork.
- 7th. That our Horse Hay Fork is as durable an implement as ever has been put in the hands of the farmer.
- 8th. That Nellis' Original Harpoon Horse Hay Fork Improved is as simple in its mechanism as any implement now in use.
- 9th. That Nellis' Original Harpoon Horse Hay Fork Improved is as neat and compact in its construction as any implement ever invented.
- 10th. That our Horse Hay Fork has advantages over every other kind or style of Horse Forks.
- 11th. That it is easier to handle than any other Horse Fork, either by man or boy.
- 12th. That it is not liable to catch in or out of the mow, with or without a load.
- 13th. That it will take (if desired) as large an amount of hay at one time as any one team can raise.
- 14th. That it will clean the rack as well as it can be done with a hand fork.
- 15th. That the hay is not liable to fall off in passing over obstructions or beams into the mow.
- 16th. That it will not catch to the rack after it is set to take its load, or when the horse starts.
- 17th. That it is the easiest to handle and operate of any other Horse Fork yet introduced.
- 18th. That two boys and a horse can unload and mow away in a given time as much hay or straw as ten men.
- 19th. That it will meet the most sanguine expectations of each and every one that becomes familiar with its use.
- 20th. That when a farmer consults what is his benefit and interest he will secure our entire improvements for unloading hay.
- 21st. That our Fork has taken twenty-two first premiums at twenty-two different State Fairs.
- 22d. That the like has never been known in the history of Horse Pitch Forks.
- 23d. That it has been successful in every trial and exhibition in competition with the leading Horse Forks.
- 24th. That a record of this kind ought to convince any farmer of its great superiority over other Forks.
- 25th. That if the foregoing are not conclusive, our Fork will fully establish the fact under test.

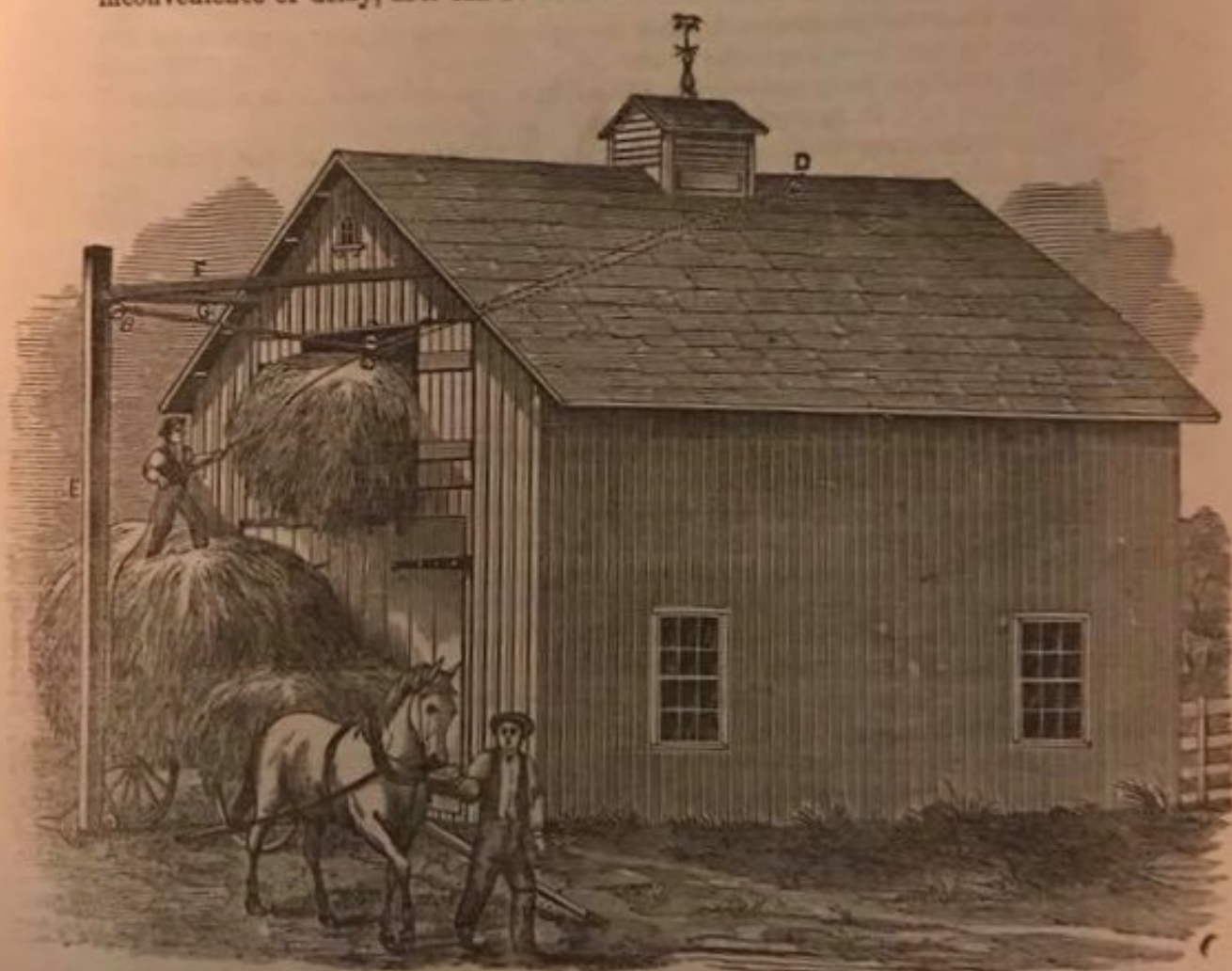
- 26th. That any person who may be induced to purchase a patent on Harpoon Forks, will become liable for selling or using.
- 27th. That we can, upon application to us, give any desired information upon this subject.
- 28th. That if our unloading apparatus will not give entire satisfaction, none other will.
- 29th. That our invention for stacking is the cheapest and most desirable of any ever invented.
- 30th. That the method of putting up hay or straw with our Stacker is preferable to any other, as it requires no exertion to keep the **centre solid**.
- 31st. That it will need only the experience of building one stack to establish the fact.
- 32d. That our device will load hay from mow or stack on the wagon successfully, and requires but five minutes to make the change.
- 33d. That the results, by actual experiment, will remove any doubt a farmer may entertain.
- 34th. That the advantages derived from the adoption of our improvement can be realized by a single day's use.
- 35th. That we have unloaded a **ton of hay** and delivered it at a distance of thirty feet, **in two minutes**.
- 36th. That it can be done by **any farmer**, if he secures one of our Forks and follows our instructions.
- 37th. That our Improved Fork will handle hay or straw, either damp or dry, coarse or fine.
- 38th. That we have the best device for putting up and taking down Horse Hay Fork Pulleys, and can be done practically without a ladder.
- 39th. That no farmer will take the price he pays for it, for the use he will find for it, aside from the use in haying season.
- 40th. That our facilities for putting up pulleys will be adopted by every farmer as soon as their advantages are known to him.
- 41st. That with our Grapples, our **Horse Hay Fork can be put up and the first load unloaded**, all in ten minutes.
- 42d. That the weight of hay upon our Fork has but a slight effect upon the tripping device. The strength of one finger will trip all a team can raise.
- 43d. That we have the simplest and most reliable locking and tripping device ever invented for any implement.
- 44th. That we have the best Horse Fork Pulley that has ever been put into the hands of the farmer at any price.
- 45th. That it is made of the most desirable material, and the entire Pulley is only one-third the weight of the cast iron pulley.
- 46th. That we will not be superseded in the goods we represent by any other manufacturing establishment.
- 47th. That all we have said or caused to be printed in this pamphlet, we can demonstrate with our goods to be facts.
- 48th. That we entertain no fears but that the merits of our goods will cause the farmer to indorse all we have set forth.
- 49th. That our unloading apparatus will save the hardest work that remains to be done in haying.
- 50th. That no party or parties will doubt any of the above claims, after using our Fork, Stacker, Grapple and Pulleys.

Parties desirous of representing our goods, will please apply for special Price List.

DIRECTIONS.

THE method illustrated in cuts Nos. 1 and 2, for unloading hay into barns, or upon stacks, is especially recommended for its convenience and practicability, and although embracing a principle in arrangement and operation of pulleys probably more than a century old, and used by some farmers since the early introduction of Horse Hay Forks, in unloading hay, it is yet new to many. And a further and more full description is given for the benefit of those interested, and for those who have not yet become familiar with its practical use.

The adoption of this method enables one to convey the material to be unloaded in any direction and distance desired, and with the "Harpoon" Fork, can be deposited at any moment, and at any intermediate point desired, between the wagon and extreme end of barn, shed or long stack, and consequently requires but little, and in some cases not any labor, to mow away. And with the convenience of the grapple for putting up pulleys, the direction for running the hay can be changed with little, if any inconvenience or delay, as it can be done between forkfuls.

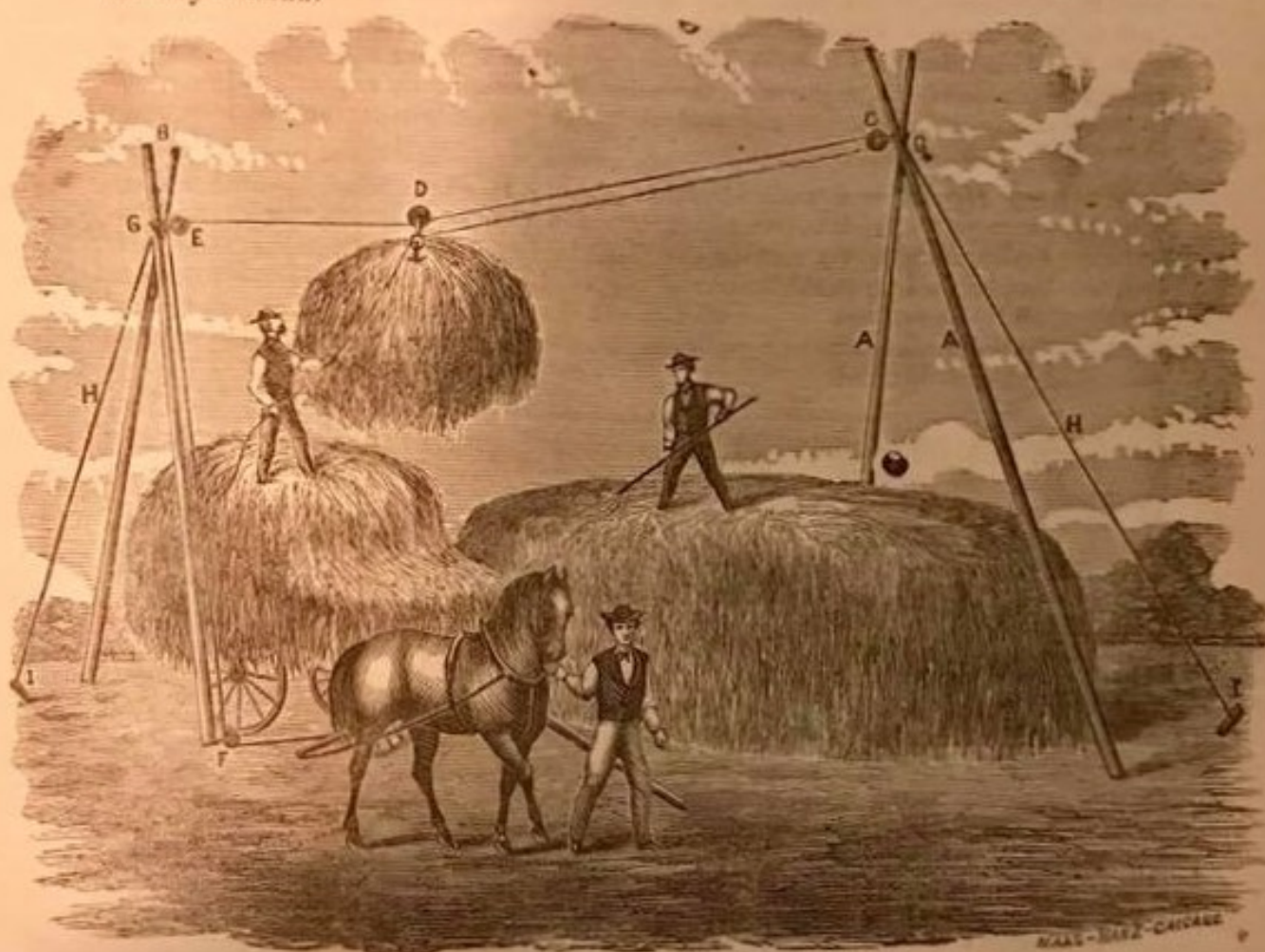


Cut No. 1 represents the operation of unloading hay from the wagon, through the end opening or window of a barn, and is done thus: Erect a pole E, far enough from the end of the barn to allow a loaded wagon to be driven between it and the barn. Fasten top of pole by means of braces F G, against barn, as shown in cut 1. Let the pole into the ground about one foot. The short poles represented in Cut No. 2 may be preferable.

This done, tie a pulley on the fork. Then fasten a pulley A at bottom of pole (E.) Then pass your hoister rope through pulley A, and then through another pulley, which carry right up, and fasten at B, thus carrying up the rope and pulley at the same time.

Then pass the hoisting rope through the pulley already attached to your fork; then through another pulley, (which last pulley you will hook on to the grapple,) and then tie the rope to the fork; then with your pole (with holder secured thereon,) elevate your grapple, pulley and rope, *all* at once, to point D, as shown in cut, or to any other point in the roof you may desire, and the arrangement is complete—ready to attach your horse to the other end of the rope. The length of this rope will depend altogether upon the distance you desire to carry your hay. (A rope 100 feet in length is long enough for ordinary barns.) *Good manilla rope $\frac{1}{2}$ or $\frac{3}{4}$ of an inch in diameter will do better than larger.* For tripping the fork, use a piece of $\frac{1}{4}$ inch sash or leather cord, about 3 feet in length, in the fork; to this you can tie any other kind of rope or cord the length you may desire.

N. B.—It is advisable to commence at the corner or sides *first*, in pitching clover, fine hay or straw.



NELLIS' STACKER.

Cut No. 2 represents a practicable and desirable method of stacking hay or straw, and embraces the same arrangement of pulleys as set forth in cut No. 1. This method takes four poles—poles A A, about 26 feet in length, and poles B, about 25 feet long. Now fasten these poles together at the small end, by rope or chains—see G G in cut—fasten pulley at E, first passing rope through same; raise poles B and secure them in an upright position by means of guy H and pin I, letting the poles lean a little forward (*these poles B can also be used in front of barn instead of frame E, as in cut 1*); then tie or lash pulley at F. This done, pass your hoisting rope through the pulley that is tied on the fork, then through pulley C, which is tied at G, on long poles; then tie the end of rope to fork, same as described above; now by hitching your horse, you can raise your poles A A, and secure them by guy rope H

and pin I, letting them lean slightly towards poles B. You are now ready for operation.

This arrangement enables you to make a stack of any desired height or length, and renders easy the attainment of an important object when stacking, which is, to keep the centre of the stack *solid*, as the fork deposits its load in the centre or at any desired point of a long stack, at the disposal of the man on the stack, who, by this arrangement, is enabled to do the work of from two to three men, in from one-fourth to one-third the time required by or in the old method of stacking; a fair trial of which must convince one of the correctness of this principle.

To Load Hay from Stack back to Wagon.—Take pulley F, and fasten at bottom of either long poles. Fasten end of rope to pole at point formerly occupied by pulley B. Loosen the end of rope from fork and pass through pulley at bottom of long pole, and hitch now to this end. This operation will run your material successfully back to your wagon. The same arrangement can be adopted in barns.

N. B.—This principle can be readily adopted inside of barns to unload into bays or mows either side of the wagon way, the point E answering to a point on purlin or cross beam opposite the wagon way, and the point C answering to any desired point in the roof over the bay.

Method No. 3 is a simple manner of unloading in a small opening or barn window, where parties wish to put a load or two in a place, and can be changed in from one to five minutes, viz.: Place some boards in front of the window ten to sixteen feet long, according to the height of the window, so as to form an incline plane. Put your pulley as far back as you wish to put the hay, and another pulley so as to allow your rope to pass down to a pulley to the floor or ground, to the pulley nearest where the horse is hitched.



No. 1.

NELLIS' GRAPPLE,

Patented March 1, 1870.



No. 2.

This simple and practical device will overcome the great inconvenience and danger that has been experienced in putting up and taking down Horse Hay Fork Pulleys; also various other purposes in which the farmer has frequent occasion for its use. It is novel in its construction, and requires but a few moments to become familiar in putting it up or taking it down, or changing from one point to another, which can be done in a moment's time without a ladder, thereby enabling the operator to convey and deposit the hay at most any desired point or direction. It is deemed indispensable by all farmers who have become familiar with its convenience, as its nominal cost is no consideration comparative to its value and advantages.

Directions for Using.

TO PUT IT UP.—Insert the holder into the end of a pole the length required to reach the point desired to affix the pulley. Put on the Grapple as described in cut No. 1, and to it hook on the pulley, with the rope in for use; raise it to the required place, so the end of the fork or prongs on holder rests against the centre of rafter (joist or beam), holding it up firm with one hand, and take hold of the rope with the other, and give the rope a short quick outward swing, this will cause the Grapple to swing from the socket and the points will cleave firmly to the desired place.

TO TAKE IT DOWN.—Take the pole with the holder, apply the fork or prongs of the holder to the Grapple as represented in cut No. 2, and raise it lightly, which will loosen its hold.

P. S.—All this is much easier done than described.

~~Be~~ In attaching to brace or rafter of an acute angle, always stand with your back toward it.

PREMIUMS IN FALL OF 1869.

- FIRST PREMIUM.**—Diploma and Honorable Mention at the Great National Agricultural and Mechanical Exhibition, **St. Louis, Mo.**
FIRST PREMIUM.—Silver Medal and Diploma, at **Michigan State Fair.**
FIRST PREMIUM.—Grand Silver Medal and Diploma, at **Wisconsin State Fair.**
FIRST PREMIUM and Honorable Mention, at the **Pennsylvania State Fair.**
FIRST PREMIUM and Silver Medal, at the **Illinois State Fair.**
FIRST PREMIUM.—Bronze Medal and Diploma, at the **Indiana State Fair.**
FIRST PREMIUM and Silver Medal, at the **New Hampshire State Fair.**
FIRST PREMIUM and Honorable Mention, at the **Maryland State Fair.**
FIRST PREMIUM.—Honorable Mention and \$20, at the **Virginia State Fair.**
FIRST PREMIUM.—Diploma and Honorable Mention, for the best Stacker, at the **Maryland State Fair, at Baltimore.**
FIRST PREMIUM and \$20, for the best Stacker, at the **Virginia State Fair.**
FIRST PREMIUM.—Diploma and Honorable Mention, for the best Stacker, at the **Michigan State Fair.**
FIRST PREMIUM and Bronze Medal, for the best Stacker, at **Indiana State Fair.**
FIRST PREMIUM and Special Mention, **St. Louis, Mo.**
FIRST PREMIUM and Special Mention, best Stacker, **Illinois State Fair.**

PREMIUMS IN 1870.

PARTIAL LIST.

- FIRST PREMIUM.**—Diploma and Honorable Mention, at the **Field Trial** held by **Missouri State Board of Agriculture, at St. Louis, Missouri.**
FIRST PREMIUM and Diploma, at the **Great National Agricultural and Mechanical Exhibition, at St. Louis, Mo.**
FIRST PREMIUM and Diploma, at **Inter-State Fair of Pennsylvania.**
FIRST PREMIUM.—Silver Medal and Diploma, at **Ohio State Fair.**
FIRST PREMIUM and Silver Medal, at **Illinois State Fair.**
FIRST PREMIUM and Diploma, at **Minnesota State Fair.**
FIRST PREMIUM.—Diploma and Bronze Medal, at **Indiana State Fair.**
FIRST PREMIUM and Diploma, at **Kentucky State Fair.**
FIRST PREMIUM and Silver Medal, at **Michigan State Fair.**
FIRST PREMIUM and Diploma, at **Vermont State Fair.**
FIRST PREMIUM and Diploma, at **Maryland State Fair.**
FIRST PREMIUM and Diploma, at **Kansas State Fair.**
FIRST PREMIUM and Diploma, **Pennsylvania State Fair.**

PREMIUMS AWARDED FOR THE BEST STACKER, GRAPPLE, &C., 1870.

- FIRST PREMIUM** and Diploma, by **Missouri State Board of Agriculture.**
FIRST PREMIUM and Diploma, at the **Great National Agricultural and Mechanical Exhibition, St. Louis, Mo.**
FIRST PREMIUM and Diploma, at **Inter-State Fair of Pennsylvania.**
FIRST PREMIUM and Ten Dollars, at **Ohio State Fair.**
FIRST PREMIUM and Diploma, at **Illinois State Fair.**
FIRST PREMIUM and Diploma, at **Minnesota State Fair.**
FIRST PREMIUM and Bronze Medal, at **Indiana State Fair.**
FIRST PREMIUM and Special Mention at **Illinois State Fair.**
FIRST PREMIUM, Diploma and Honorable Mention, at **Minnesota State Fair.**
FIRST PREMIUM and Special Mention for best Grapple, **Illinois State Fair.**
FIRST PREMIUM and Diploma, best Grapple, **Minnesota State Fair.**

NELLIS' PULLEYS.

We pride ourselves in presenting to the public this season a Horse Fork Pulley superior in most respects to any yet introduced to the farming public. The casing is made of wrought iron, the pin of cold rolled iron, and the wheel of wood, prepared by a process known only to ourselves. It only weighs about one-third of the ordinary cast iron pulley, and when parties order a set, we send four in number, two swivels and two dead eyes. A dead eye to put in in all cases where you deposit the hay. We are confident that it will meet the indorsement of every farmer who uses it.

 A farmer will always save the price of this Pulley every season from the wear of rope.

IN LOCALITIES WHERE WE HAVE NO AGENT, THE FOLLOWING IS THE

RETAIL PRICE LIST OF GOODS

MANUFACTURED BY

A. J. NELLIS & CO.

Nellis' Original Harpoon Horse Hay Fork Improved, - - -	\$15 00
Nellis' Grapple, per set, - - - - -	3 50
(A set includes two Grapples and one Holder.)	
Nellis' Grapple, single, - - - - -	2 00
(Single includes one Grapple and one Holder.)	
Nellis' Pulley, each, - - - - -	65
Floor Hook, each, - - - - -	25

The entire fixtures necessary for unloading hay under all circumstances, except the rope, is one Fork, \$15.00; one set Grapples, \$3.50; one set Pulleys, four in number, \$2.60; Floor Hook, 25 cts.; amounting in all to \$21.35.

15 per cent. discount will be allowed on orders *accompanied with cash*, making the net cost \$18.15.

10 per cent. discount *only* allowed on orders for goods to be sent to *collect on delivery*. (C O. D.)

 The above we give for the information of farmers in localities where we have no agent to represent our Fork and Grapple.

P. S.—We will for convenience of our customers, furnish rope the length required, and make price at wholesale cost per pound. Parties ordering rope will please give distance desired to deposit the hay from the load.

N. B.—No charge will be made for use of our Stacker to parties using our Fork.

CAUTION.—All Horse Hay Forks on the single or double Harpoon principle, are subject to one or more of the Patents mentioned on title page. We caution all parties to beware of infringements, either in *manufacture, sale or use*.

Any Farmer having twenty loads of hay or loose grain to unload, who has a neighbor or personal friend that is familiar with Nellis' Original Harpoon Horse Hay Fork Improved, is advised to ask him this question: "Does the Nellis Harpoon Horse Hay Fork give satisfaction?" We are *willing* he *shall govern* himself by the reply.

Opinions of the Public Press.

We append a few of the many thousand testimonials we have received, (not for the reason that we deem it necessary for the success of our goods, for we know that by practical and direct application of our implements, to the work for which they are designed, they proclaim to the honest, candid, thinking mind of the farmer, their great utility, and the benefits to be derived from their use, more than the best testimonial that could be written upon their usefulness and adaptability as a great labor saver,) but only offer them as a recommendation to those who have as yet not become acquainted with us or our goods.

Nellis' Original Harpoon Hay Fork and Stacker.

The above illustration represents what is known as the Nellis Stacker and Grapple, in connection with Nellis' Harpoon Fork. These very popular devices are of great utility in the operations incident to the hay harvest, saving a large amount of labor, materially reducing the wear and tear of muscle, as well as greatly lessening the time and expense of saving the hay crop. The implements received the awards of the Missouri State Board of Agriculture at the recent Trial of Harvesting Machinery at St. Louis, and elicited the highest praise from all present for the perfect manner in which their work was done. With these appliances hay can be unloaded, either into barns or upon stacks, with perfect ease, and discharged at any point desired in the mow or on the stack, and with the convenience of the grapple for putting up pulleys the direction can be changed with little or no inconvenience or delay. We have heretofore spoken in deserved terms of the Nellis Harpoon Fork. The Hay Stacker and the Grapple are not less important, and are equally worthy for the purposes they serve, the whole furnishing a comparatively cheap and very useful combination which farmers can hardly afford to be without. The proprietors are A. J. Nellis & Co., Pittsburgh, Pa. These articles are for sale by Brayley & Patterson, Chicago, and by agricultural implement dealers in leading cities and towns throughout the country.—*Western Rural*, July 9th, 1870.

Expression of the Editor of the Prairie Farmer, Chicago.

Who was present at the Field Trial, held by the Missouri State Board of Agriculture, St. Louis, Mo., June, 1870, as follows: "In Horse Hay Fork Department the first premium was awarded the well-known Nellis Original Harpoon Horse Hay Fork, which has a wide reputation. Mr. Nellis exhibited it in operation as shown in the illustration on this page for stacking. The derrick used was four poles with guy ropes; the two longest were some thirty-five feet in length, and the other two twenty-five feet. The ropes and pulleys were attached as shown in cut No. 2. Two loads of hay were unloaded and put upon stack. The committee and every person pre-

sent reported the whole thing a PERFECT SUCCESS. Mr. Nellis also showed a very excellent device for a Grapple for holding pulleys in any desired position in the loft of a barn or shed. These articles are sold in St. Louis by Semple, Birge & Co., in Chicago by Woodsum, Tenney & Co., and by agricultural implement dealers in principal cities and towns throughout the country."

Field Trial.

The committee at Field Trial, held by the Missouri State Board of Agriculture, after giving a detailed description of the working of our Horse Hay Fork and Fixtures, finished the report over their signatures in the following words, to wit: "In our opinion the entire arrangement is a PERFECT SUCCESS, and we are well satisfied that one ton of hay can be unloaded to the height of twenty-five feet in four minutes. In brief, we consider Nellis' Harpoon Horse Hay Fork all that its owners claim it to be.

Signed

"JAMES MOORE, Chairman.

G. L. ADIE,

D. T. JONES,

} Com.

"St. Louis, June 24, 1870."

We clip the following from "THE IRON WORLD" of Pittsburgh, March, 1871.

In calling the attention of our numerous readers to the advertisement of the well known Agricultural Implement Manufacturers, Messrs. A. J. Nellis & Co., of Pittsburgh, Pa., we present to them some information of the locality of their extensive establishment and energetic preparation being made by them for the spring trade. Their Manufactory of Agricultural Steels and Irons, Cultivator Teeth, Shovel Plow Blades and the original Harpoon Horse Hay Fork, Grapples and Pulleys, is situated on and embraces the entire square comprised in the boundary of Rebecca Street, Sturgeon Street, and South and Allegheny Avenues, Allegheny City. The buildings during the past year have been enlarged, the machinery refitted, and capacity increased. The trip hammers, punches, presses and polishing wheels are now in constant operation under the careful guidance of a large number of skilful mechanics, busily engaged in preparing their goods for their rapidly increasing demand. On examination of their order book we find that their customers are

A. J. NELLIS & CO.

Successors to Rogers & Nellis, and D. B. Rogers & Son,

Manufacturers of and Dealers in

PATENT STEEL CULTIVATOR TEETH,

Agricultural Steels and Irons, Malleable Castings, &c.

*Diamond Points, Reversible Steel Points, Steel Shovel
or Plow Plates, Sulky Cultivator Plow Blades,
Steel Shovel Plow Blades, Steel Moldboards,
Coulters, Iron and Steel Harrow Teeth,
Pulleys, Hooks, Grapples, &c., &c.*



Trade Mark.

In addition to our ample facilities for manufacture of our Harpoon Horse Hay Fork and Fixtures, we have perfected arrangements to supply ourselves with the best stock of steel in the country for the manufacture of the above class of steel goods. We brand all goods of our manufacture with our Trade Mark, and will only guarantee the goods when its imprint is upon them. It is our determination that the quality of the material used and the workmanship in manufacturing of our implements, shall be equal if not superior to any other in the country.

To those of our readers who may stand in need of any of the above class of goods of our manufacture where we have no agency, we take pleasure in assuring them that their orders upon us will receive prompt attention.

Cut A represents our new style

NUT AND SCREW TOOTH,

The strongest and best Tooth of the kind ever offered to the trade; made entirely of the best steel, and finely tempered. The steel of the stem is wrapped around the bolt, which gives additional strength to the bolt. Diameter of stem is one inch. Can make any length, style or shape of Teeth, of these and other kinds. The nut is of wrought iron. There is no cast iron about the Tooth.

Cut B.



Cut B represents our

DIAMOND STEEL TOOTH,

WROUGHT IRON STANDARD.

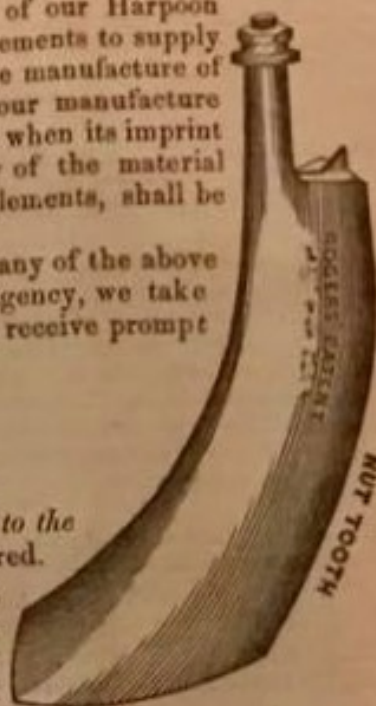
This cut represents a style of Tooth that is preferred in some kinds of soil. The frame, or standard, is of wrought iron, with a reversible point, and made from the best of material.

With the exception of the Original Harpoon Horse Hay Fork and Fixtures, we make no complete IMPLEMENTS, *i. e.* wood work, considering that that trade properly and justly belongs to those already engaged in the manufacture.

To avoid mistakes, our customers, in ordering, will please be particular in giving their post-office address, and the directions how they want the goods shipped. No steel goods genuine without our Trade Mark stamped thereon.

A. J. NELLIS & CO.

Pittsburgh, Pa.



GREATEST RECORD



EVER KNOWN



IN THE HISTORY OF



AGRICULTURAL IMPLEMENTS.